

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A radio operating system, comprising: having  
— ~~o~~ a radio base station unit (2) provided for configured to controlling a device;  
and  
— ~~o~~ an operating unit element (3), provided for establishing radio in  
communication with the radio base station unit,  
\_\_\_\_\_ wherein  
— ~~o~~ the operating element (3) has a control unit (8), a selection is provided  
between a plurality of operating modes of the operating unit, the selection  
corresponding to a value of a reception parameter with respect to a threshold  
value; - with a first threshold value (S1) relating to a reception parameter (K), as a  
function of which a switchover is provided between various operating modes (B0,  
B1) of the operating element (3);  
— ~~o~~ upon undershooting of when the reception parameter value is less than the  
threshold value (S1), a safety-oriented operating mode (B0) is provided selected  
and if the reception parameter is greater than the -threshold value (S1) is  
exceeded, a standard operating mode (B1) of the operating element (3) is  
provided selected;  
— ~~o~~ a first, non-safety-critical command set (BS1), activatable by means of the  
operating unit element (3), is usable equally in each of the various operating modes  
(B0, B1);  
— ~~o~~ a second, safety-critical command set (BS2), activatable by means of the  
operating unit element (3), is usable in the safety-oriented operating mode, when  
the second command set has is enabled (B0), if at all, only with restrictions,  
compared to the standard operating mode (B1).

2. (Currently amended) The radio operating system as recited in claim 1, ~~characterized by~~wherein actuation of a confirmation input device (12), ~~by whose actuation enables~~ the safety-critical command set ~~(BS2)~~ is ~~usable in the safety-oriented operating mode (B0) in a way corresponding to the standard operating mode (B1).~~

3. (Currently amended) The radio operating system as recited in claim 1 or 2, ~~characterized in that~~wherein the operating element unit (3) has a display device (13) provided for displaying the operating mode ~~(B0, B1).~~

4. (Currently amended) The radio operating system as recited in one of claims 1 through 3, ~~characterized in that~~wherein the operating element ~~(3)~~unit has an acoustic output device ~~(14).~~

5. (Currently amended) The radio operating system as recited in one of claims 1 through 4, ~~characterized by~~wherein when the reception parameter is less than a second threshold value (S2) pertaining to a reception parameter (K), upon whose undershooting, switching off of the radio connection between the operating element unit (3) and the radio base station unit (2) is provided~~disabled.~~

6. (Currently amended). A method for operating a radio system having at least two parties units, wherein comprising:

◊ measuring the transmission quality of the radio communication between the parties units to determine of a reception parameter ~~(2, 3) is measured;~~

→ comparing a value of the the transmission quality is compared, on the basis of a reception parameter (K), with a threshold value value (S1);

◊ selecting one of a plurality of operating modes as a function of the magnitude of value of the reception parameter (K) in with respect relation to the threshold value (S1), wherein a various operating modes (B0, B1) are activated, namely a safety-oriented operating mode (B0) is selected if the value of the reception parameter is less than the threshold and threshold value (S1) is undershot and a

standard operating mode (B1) is selected if the value of the reception parameter is greater than the threshold value is exceeded;

- ~~for operating the radio communication, providing a~~ a first, non-safety-critical command set (BS1), and a second, safety-critical command set (BS2) ~~are provided;~~

- enabling the use of both command sets (BS1, BS2) is enabled without restriction in the standard operating mode (B1); and

- enabling the first command set in the safety-oriented operating mode (B0), the use of only the first command set (BS1) is enabled without restriction, and restricting the while the usability use of the second command mode set (BS2) is restricted.

7. (Currently amended). The method as ~~recited in claim 6, characterized in~~ wherein that the full functional scope of the standard operating mode (B1) is enabled in the safety-oriented operating mode (B0) by actuation of a confirmation input device (12).

8. (Currently amended) The method as ~~recited in claim 7, characterized in that~~ wherein the use of the full functional scope of the standard operating mode (B1) is enabled in the safety-oriented operating mode (B0) solely during the period of actuation of the confirmation input device (12).

9. (Currently amended) The method as ~~recited in claim 7, characterized in that~~ by wherein the actuation of the confirmation input device (12) in the safety-oriented operating mode (B0), opens a time slot is opened, within which the functional scope of the standard operating mode (B1) is enabled.

10. (Currently amended) The method as ~~recited in one of claims 6 through 9, characterized in that~~ wherein upon switchover from the standard operating mode (B1) to the safety-oriented operating mode (B0), an optical report is output.

11. (Currently amended) The method as ~~recited in one of claims 6 through 10,~~ characterized in that ~~if~~wherein when a function associated with the safety-critical command set (BS2) is chosen in the safety-oriented operating mode (B1), an acoustic ~~warningsignal~~signal ~~report~~ is output.

12. (Currently amended) The method as ~~recited in one of claims 6 through 14,~~ characterized in that ~~wherein~~ if the radio communication between the parties (2, 3) is ~~broken~~disabled because of the transmission quality, an acoustic ~~report~~signal is output.

13. (Currently amended) The method as ~~recited in one of claims 6 through 12,~~ wherein characterized in that the reception parameter (K) contains information ~~pertaining to~~representing the reception quality of the radio communication between the parties ~~units~~(2, 3).

14. (Currently amended) The method as ~~recited in claim 13,~~ characterized in that ~~wherein~~ the reception parameter (K) contains information ~~pertaining to~~representing the reception field intensity at the location of one party ~~of the~~units(2, 3).

15. (Currently amended) The method as ~~recited in claim 13 or 14,~~ characterized in that ~~wherein~~ the reception parameter (K) includes information ~~pertaining to~~representing the bit error rate of the radio communication between the parties ~~units~~(2, 3).

16. (Currently amended) The method as ~~recited in one of claims 6 through 15,~~ characterized in that ~~wherein~~ the reception parameter (K) includes information ~~pertaining to~~representing the distance between the parties ~~units~~(2, 3).

17. (Currently amended) The method as ~~recited in claim 16,~~ characterized in that ~~wherein~~ the reception parameter (K) is ascertained by transit time measurement.

18\_(New) The radio operating system as in claim 2, wherein the operating unit has a display device provided for displaying the operating mode.

19. (New) The radio operating system as in claim 2, wherein the operating unit has an acoustic output device.

20 . (New) The radio operating system as in claim 19, wherein when the reception parameter is less than a second threshold value the radio connection between the operating unit and the radio base station unit is disabled.

21. (New) The method as in claim 7, wherein upon switchover from the standard operating mode to the safety-oriented operating mode, an optical report is output.

22. (New) The method as in claim 7, wherein when a function associated with the safety-critical command set is chosen in the safety-oriented operating mode, an acoustic warning is output.

23. (New) The method as in claim 7, wherein if the radio communication between the parties is disabled because of the transmission quality, an acoustic signal is output.

24. (New) The method as in claim 7, wherein the reception parameter contains information representing the reception quality of the radio communication between the units.